



Optimal Solutions for the Future

PUMA TW2600 series



High productivity
Twin spindle
Horizontal Turning
Center with
10 inch chuck

PUMA TW2600
PUMA TW2600-GL

ver. EN 150914 SU

Basic Structure

PUMA TW2600 series provide high productivity and stable machining performance with standard and built-in gantry models.



Standard Model

PUMA TW2600

Built in Gantry Model

PUMA TW2600-GL

Chuck size

10 inch

8/12 inch option

Travel distance / Rapid traverse rate

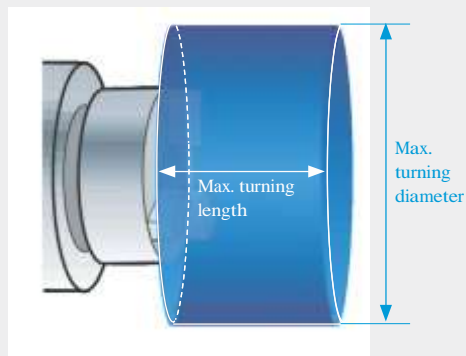
X-axis **190** mm (7.5 inch) / **24** m/min (944.9 ipm)

Z-axis **180** mm (7.1 inch) / **24** m/min (944.9 ipm)

Machining area

The largest work envelop in its class with maximum turning diameter of Ø360 mm (14.1 inch) and maximum turning length of 170 mm (6.7 inch).

PUMA TW2600 Max. machining area



Max. turning diameter

Ø 360 mm (14.1 inch)

Max. turning length

170 mm (6.7 inch)

PUMA TW2600-GL Max. workpiece size



Max. workpiece diameter

Ø 200 mm (7.9 inch)

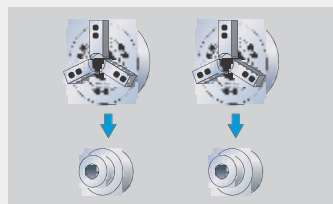
Max. workpiece length

120 mm (4.7 inch)

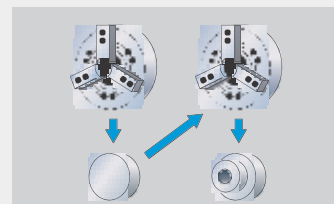
Max. workpiece weight

6 kg (13.2 lb)

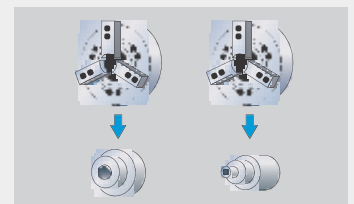
Machining application



Identical parts turning on both spindle process



First operation machining on left spindle and second operation machining on right spindle process



Different parts turning on both spindle process

Spindle

Doosan provide the highest spindle power in its class as a standard, and high torque spindle for heavy duty machining as an option.



Max. spindle speed

3500 r/min

Max. spindle power (S3 25%/Cont.)

18.5/15 kW

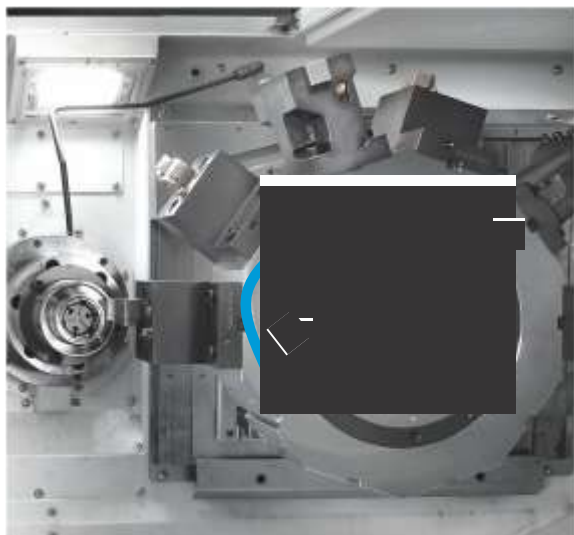
Max. spindle torque

202 N·m (149.0 lbf.ft)

404 N·m (298.0 lbf.ft) option

Turret

Applying servo driven turret, PUMA TW2600 series can reduce tool indexing time, improve productivity.



No. of tool stations

10 + 10 stations

Tool 1 ☉ Tool 2

0.73 sec

(12% shorter than previous model)

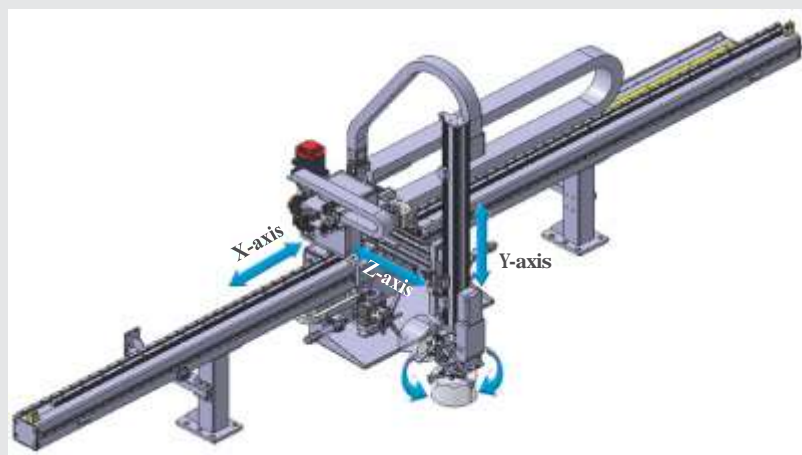
Tool 1 ☉ Tool 6

1.22 sec

(40% shorter than previous model)

High speed gantry loader

Built in high speed 3-axis servo driven gantry loader on the PUMA TW2600-GL minimizes the non-cutting time during the loading and unloading cycle.



(5905.5 ipm)

Gantry loader handling time

7.9 sec (34% shorter than previous model)

Y-axis **130** m/min (5118.1 ipm)

Z-axis **50** m/min (1968.5 ipm)

Major Specifications

PUMA TW2600 series



Description		Unit	PUMA TW2600	PUMA TW2600-GL
Max. turning diameter		mm (inch)	Ø 360 (14.1)	Ø 200 (7.9)
Max. turning length		mm (inch)	170 (6.7)	120 (7.6)
Chuck size		inch	10, 8/12 option	
Travel distance / Rapid traverse rate	X-axis	mm(inch), m/min(ipm)	190 (7.5) / 24 (944.9)	
	Z-axis	mm(inch), m/min(ipm)	180 (7.1) / 24 (944.9)	
Max. spindle speed		r/min	3500	
Max. spindle power (S3 25%/Cont.)		kW (hp)	18.5 / 15 (24.8 / 20.1)	
Spindle nose		ASA	A2-6	
Spindle bearing diameter (Front)		mm (inch)	Ø 110 (4.3)	
No. of tool stations		ea	10 + 10	
Machine dimensions* (Length x Width)		mm (inch)	2520 x 2410 (99.2 x 94.9)	4840** x 2775 (190.6 x 109.3)
NC system			DOOSAN FANUCi	

* with chip conveyor ** Apply A3 type(Left/Right stocker)



Doosan Machine Tools

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➤ For more details, please contact Doosan.

➤ The specifications and information above-mentioned may be changed without prior notice.